

1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tri-2-propenyl-

Other names:

Triallyl isocyanurate
Triallyl 1,3,5-triazine-2,4,6(1H,3H,5H)-trione
Isocyanuric acid triallyl ester
s-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-triallyl-
1,3,5-Triallyl isocyanurate
Diak 7
s-Triazine-2,4,6(1H,3H,5H)-trione, triallyl-
1,3,5-Tri-2-propenyl-1,3,5-triazine-2,4,6(1H,3H,5H)-trione
1,3,5-Triallyl-S-triazine-2,4,6(1H,3H,5H)-trione
1,3,5-Triallylisocyanuric acid
TAIC
Triallyl-S-triazine-2,4,6(1H,3H,5H)-trione
1,3,5-Triallyl-1,3,5-triazine-2,4,6(1H,3H,5H)-trione
1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl-
NSC 11692
Perkalink 301

Inchi: InChI=1S/C12H15N3O3/c1-4-7-13-10(16)14(8-5-2)12(18)15(9-6-3)11(13)17/h4-6H,1-3,7

InchiKey: KOMNUTZXSVSERR-UHFFFAOYSA-N

Formula: C12H15N3O3

SMILES: C=CCn1c(=O)n(CC=C)c(=O)n(CC=C)c1=O

Mol. weight [g/mol]: 249.27

CAS: 1025-15-6

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| log10ws | -1.34 | | Crippen Method |
| logp | -0.270 | | Crippen Method |
| mcvol | 190.830 | ml/mol | McGowan Method |

Pressure Dependent Properties

| Property code | Value | Unit | Pressure [kPa] | Source |
|---------------|--------|------|----------------|--------------|
| tbrp | 423.70 | K | 0.50 | NIST Webbook |

Sources

| | |
|------------------------|---|
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |
| McGowan Method: | http://link.springer.com/article/10.1007/BF02311772 |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C1025156&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

Legend

| | |
|-----------------|-------------------------------------|
| log10ws: | Log10 of Water solubility in mol/l |
| logp: | Octanol/Water partition coefficient |
| mcvol: | McGowan's characteristic volume |
| tbrp: | Boiling point at reduced pressure |

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